



Department of Energy
Ohio Field Office
Fernald Environmental Management Project
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JAN 16 2003

Mr. James A. Saric, Remedial Project Manager
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DOE-0170-03

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**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE AGREEMENT/
 FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY STUDY/
 CONSENT DECREE MONTHLY REPORT FOR THE PERIOD OF DECEMBER 1, 2002
 THROUGH DECEMBER 31, 2002 AND QUARTERLY REPORT FOR THE PERIOD OF
 OCTOBER 1, 2002 THROUGH DECEMBER 31, 2002, INCLUDING ANTICIPATED WORK
 FOR THE PERIOD OF JANUARY 1, 2003 THROUGH JANUARY 31, 2003**

This letter transmits the Consolidated Consent Agreement/Federal Facility Compliance Agreement/Federal Facility Agreement/Remedial Investigation/Feasibility Study/Consent Decree Monthly Report for the period December 1, 2002 through December 31, 2002 and Quarterly Report for the period of October 1, 2002 through December 31, 2002, including anticipated work for the period of January 1, 2003 through January 31, 2003. This report is formatted to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J. A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements," dated January 16, 1996, and agreed to by the United States Environmental Protection Agency (USEPA) and Ohio Environmental Protection Agency (OEPA).

If you have any questions, please contact me at (513) 648-3139.

Sincerely,

Johnny W. Reising
 Fernald Remedial Action
 Project Manager

FEMP:Reising

Enclosures: As Stated

JAN 16 2003

Mr. James A. Saric
Mr. Tom Schneider

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DOE-0170-03

cc w/enclosures:

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ECDC, Fluor Fernald, Inc./52-7

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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REMOVAL ACTION STATUS REPORT**

This report describes actions at the Fernald Environmental Management Project (FEMP) from October 1, 2002 through December 31, 2002 and anticipated work for the period of January 1, 2003 through January 31, 2003. The monthly and quarterly reports have been revised to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J. A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements," dated January 16, 1996, and agreed to by USEPA and OEPA.

The Department of Energy - Fernald, has given direction to utilize the submittal of the Quarterly integrated Environmental Monitoring Plan (IEMP) reports to satisfy the effluent radionuclide reporting requirements of the Consolidated Consent Agreement/Federal Facility Compliance Agreement/Federal Facility Agreement/Remedial Investigation/Feasibility Study/Consent Decree Quarterly Report.

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REMOVAL ACTION STATUS REPORT**

OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT

October 2002

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Loaded 12,498 tons of material from waste pits
 - Shipped 119 railcars, 13,826 tons (UT68 and UT69) of material for disposal at Envirocare

November 2002

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Loaded 19,171 tons of material from waste pits
 - Shipped 170 railcars, 18,313 tons (UT70, UT71 and UT72) of material for disposal at Envirocare

December 2002

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Loaded 12,711 tons of material from waste pits
 - Shipped 124 railcars, 13,353 tons (UT73 and UT74) of material for disposal at Envirocare

January 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Work To Be Initiated/Continued/Completed
 - Load 13,444 tons of material from waste pits
 - Ship 120 railcars (UT74 and UT75) of material for disposal at Envirocare

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OPERABLE UNIT 2 - ON-SITE DISPOSAL FACILITY AND SOIL CHARACTERIZATION AND
EXCAVATION PROJECT (Additional OU2 soils-related activities may be reported under
OU5/Soils Characterization and Excavation Project)

October 2002

- Enforceable Milestones Completed
 - On-Site Disposal Facility (OSDF) - None
 - Soils Characterization and Excavation Project (SCEP) - None
- Work Initiated/Continued/Completed
 - On-Site Disposal Facility (OSDF)
 - Completed placement of impacted materials in Cell 2 and continued placement of impacted materials in Cell 3
 - Completed Borrow Area Clay Screening for this construction season
 - Completed Cell 4 and Cell 5 geosynthetic liner (GCL/GML) installation
 - Completed placement of drainage layers in Cells 4 and 5 Liners
 - Continued Cells 4 and Cell 5 geotextile placement
 - Continued Cells 4 and 5 clay wedge construction
 - Continued Part 2 of Remodeling of RIMIA for OSDF/SDFP Relocation
 - Completed placement of Lime Sludge material that has been mixed with soil, spread, and dried
 - Continued Title III and CQC services for OSDF Construction
 - Began excavation of impacted material Sedimentation Basin #2
 - Soil Characterization and Excavation Project (SCEP)
 - Continued sampling beneath Plant 6 Pad as part of 3A/4A subsurface predesign
 - Completed excavation of above WAC soil at Incinerator Pad (10D)
 - Continued Concrete Breaking/Crushing in Area 3A and Area 4A
 - Continued excavation of Area 4A (Plant 5)
 - Continued Restoration work in Southern Waste Units
 - Continued maintenance of Organic Soil stockpile
 - Completed the excavation of K-65 Trench
 - Continued Area 7 Phase I Pre-certification PSP
 - Continued Area 8 Phase III Pre-certification PSP
 - Continued Predesign WAC and FRL Attainment sampling for Areas 3B/4B/5
 - Completed Debris removal and soil excavation of former Lay Down area in Area 2 Phase II
 - Continued excavation of southeast corner of Plant 9 above WAC area
 - Began Site Prep of Fire Training Facility

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- Began Pre-certification of Area 9 Phase II
- Began Pre-certification of Area 6 Phase I
- Continued to haul soil from Area 7 (Silos) and stockpile in Area 3A

November 2002

- Enforceable Milestones Completed
 - On-Site Disposal Facility (OSDF) – Completed one ft Protective Layer for Cell 4, November 20, 2002 and Completed one ft Protective layer for Cell 5, November 27, 2002
 - Soils Characterization and Excavation Project (SCEP) – None
- Work Initiated/Continued/Completed
 - On-Site Disposal Facility (OSDF)
 - Completed geotextile placement in Cell 4 and Cell 5 liners
 - Completed Cell 4 Liner and Cell 5 Liner clay wedge construction
 - Started and completed 12 inch protective impacted layer for Cell 4 Liner and Cell 5 Liner
 - Continued Part 2 of Remodeling of RIMIA for OSDF/SDFP Relocation
 - Continued Title III and CQC services for OSDF Construction
 - Continued excavation of impacted material Sed Basin #2
 - Started Cell 4 liner two ft Select Impacted Layer
 - Completed placement of impacted materials for this construction season in Cell 3
 - Completed gray clay excavation in Borrow Area
 - Soils Characterization and Excavation Project (SCEP)
 - Completed sampling beneath Plant 6 Pad as part of 3A/4A subsurface predesign
 - Continued Concrete Breaking/Crushing in Area 3A and Area 4A
 - Continued excavation of Area 3A and 4A
 - Continued Restoration work in Southern Waste Units and Northern Pines
 - Continued maintenance of Organic Soil stockpile
 - Completed Area 7 Phase I Pre-certification PSP
 - Continued Area 8 Phase III Pre-certification PSP
 - Continued Predesign WAC and FRL Attainment sampling for Areas 3B/4B/5
 - Continued excavation of southeast corner of Plant 9 above WAC area
 - Continued Site Prep of Fire Training Facility
 - Continued Pre-certification of Area 9 Phase II
 - Continued Pre-certification of Area 6 Phase I
 - Completed hauling soil from Area 7 (Silos) and stockpiling in Area 3A

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December 2002

- Enforceable Milestones Completed
 - On-Site Disposal Facility (OSDF) - None
 - Soils Characterization and Excavation Project (SCEP) - None
- Work Initiated/Continued/Completed
 - On-Site Disposal Facility (OSDF)
 - Completed Cell 4 Liner two ft Select Impacted Layer
 - Started Installation of horizontal monitoring well for Cell # 6
 - Continued Part 2 of Remodeling of RIMIA for OSDF/SDFP Relocation
 - Continued Title III and CQC services for OSDF Construction
 - Continued excavation of OSDF Sed Basin #2
 - Started and completed additional one ft Category 1 Material for Cell 4 liner to accommodate transite placement
 - Soils Characterization and Excavation Project (SCEP)
 - Continued Concrete Breaking/Crushing in Area 3A and Area 4A
 - Continued AWAC excavation in Area 3A and 4A
 - Continued Site Prep and started excavation of Fire Training Facility
 - Continued Restoration work in Southern Waste Units and Northern Pines
 - Continued maintenance of Organic Soil stockpile
 - Submitted Area 2 Phase I Final Certification Report
 - Continued Predesign WAC and FRL Attainment sampling for Areas 3B/4B/5
 - Continued Pre-certification of Area 6 Phase I
 - Continued Area 7 Sector 3 Predesign Investigation
 - Continued Area 8 Phase III Pre-certification PSP
 - Continued Pre-certification of Area 9 Phase II

January 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - On-Site Disposal Facility (OSDF) - None
 - Soils Characterization and Excavation Project (SCEP)
 - Submit Area 9 Phase II CDL to EPA, January 10, 2003
 - Submit Area 8 Phase III CDL to EPA, January 30, 2003
- Work To Be Initiated/Continued/Completed
 - On-Site Disposal Facility (OSDF)
 - Continue Title III services and CQC Services for OSDF Construction
 - Complete Part 2 of remodeling of RIMIA for OSDF/SDFP relocation

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- Continue Restoration of Borrow Area 1 and 2
- Complete excavation of OSDF Sed Basin #2
- Start transite placement in Cell # 4
- Complete installation of horizontal monitoring well and RCS/RRCS/LDS tie-ins for Cell # 6
- Soils Characterization and Excavation Project (SCEP)
 - Continue concrete breaking/crushing in Area 3A and 4A
 - Continue AWAC excavation of Area 3A and Area 4A
 - Continue excavation of Fire Training Facility
 - Continue maintenance of Organic Soil Stockpile
 - Submit final Solid Waste Landfill and Fire Training Facility IRDP
 - Submit Response to Comments Area 2 Phase II IRDP
 - Continue Predesign WAC and FRL Attainment sampling for Areas 3B/4B/5
 - Complete Area 6 Phase I Pre-certification
 - Submit Area 6 Phase I CDL/PSP
 - Continue Area 7 Sector 3 Predesign Investigation
 - Submit Area 7 Phase I As-built Report
 - Complete Area 8 Phase III Pre-certification PSP
 - Submit Area 8 Phase IV CDL/PSP
 - Submit Area 9 Phase II CDL/PSP

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

October 2002

- Enforceable Milestones Completed
 - Submitted the Administration Complex Phase I Project Completion Report to DOE on October 15, 2002
 - Submitted the MSS Task #086 Project Completion Report to DOE on October 23, 2002
- Work Initiated/Continued/Completed
 - Plant 2
 - Continued glovebag removal in Extraction area
 - Continued final cleaning/lockdown and equipment/system removal in Denitration area
 - Continued to shear, size and load transition pipe rack
 - Began asbestos abatement, shearing, size reduction, and loading of tanks north of Bldg. 2D

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- Plant 3
 - Completed 39A size reduction and loadout on October 1, 2002
 - Continued asbestos abatement/3J asbestos glovebag removal
- General Sump
 - Began 3H equipment and system removal
 - Began shearing, size reduction, and loading of 18B tank
- Pilot Plant
 - Continued general site preparation activities and installation of 5-plex control point trailer
 - Continued glovebag removal of miscellaneous pipe
 - Began Bldg. 54A bag house preparation
 - Bldg. 37 asbestos abatement and bag house washdown
 - Bldg. 13B glovebag removal and floor tile/mastic removal
 - Bldg. 13A setup of air machines/wastewater tanks, and removal of bird droppings
 - Bldg. 13C enclosures in main vestibule, asbestos abatement and final cleaning
- Plant 8
 - Began 8A Bldg. Preparation, installation of lighting, sealing, and asbestos abatement
- Utility Redistribution/Facilities Shutdown
 - Continued procurement to replace steam heat source for Buildings 82A, 31 and 46
 - Continued parking lot and Telephone Hut light re-feed
 - Continued freon removal from Laboratory equipment and drain trap removal
 - Isolated electric to Bldg. 13B and removed HVAC unit from building
 - Began planning and performing Lab utility isolations
 - Relocated site paging system from Bldg. 16B to Bldg. 23B
 - Began installing lift station for excavating Area 4B utility redistribution

November 2002

- Enforceable Milestones Completed
 - None

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- Work Initiated/Continued/Completed
 - Plant 2
 - Continued shearing, size reduction, and loading of tanks north of Bldg. 2D
 - Continued to shear, size reduce, and load equipment and miscellaneous debris from Bldg. 2A Digestion Area and Denitration Area and Extraction Area
 - Continued building preparation and asbestos abatement in Bldg. 2B/C. Asbestos VAT removal completed.
 - Completed 2B/C release survey
 - Plant 3
 - Component 3J - Completed asbestos abatement; completed demolition November 22; began loading debris
 - Component 3D - Began takedown of NAR towers
 - Bldg. 3E - Began building preparation, sealing, and installation of lighting
 - Plant 8
 - Bldg. 8A - Continued building prep, asbestos abatement, and non-process equipment systems removal
 - Bldg. 8G - Asbestos abatement
 - Pilot Plant
 - Bldg. 13A - Began building preparation and asbestos abatement
 - Bldg. 13B - Demolition and loadout completed
 - Bldg. 13D - Began equipment/system removal
 - Bldg. 37 - Began building prep and shearing/removal of structural steel
 - Bldg. 54A - Removed transformer, continued building preparation, asbestos abatement, and air machine set-up
 - Bldg. 54C - Demolition completed
 - Respirator Trailer set-up was begun
 - Lab and Liquid storage
 - Kickoff meeting was held November 12
 - Turned over lab to Demolition Projects
 - Utility Redistribution/Facilities Shutdown
 - Continued work to replace steam heat source for Buildings 82A, 31 and 46
 - Began planning and performing Bldg. 26A utility isolations

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- Began installing lift station for excavating Area 4B utility redistribution
- Completed parking lot light re-feed and continued installation of the last two Honeywell Silent Knight panels at AWWT

December 2002

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Plant 2
 - Continued shearing, sizing and loading tanks on the north side of Plant 2.
 - Continued to shear, size reduce, and load equipment from Bldg. 2A Digestion Area and removal of equipment/systems from Denitration Area and Extraction Area.
 - Building 2D - Continued shearing, sizing, and loading of north side tanks.
 - Transition Pipe Rack - Continued shearing/sizing/loading.
 - General Sump
 - 2B - performed release survey
 - Plant 3
 - Component 3D (NAR Towers) was demolished December 9, followed by shearing and loadout of tanks, equipment, and structural steel.
 - 3E - continued sealing building and installing lighting and gross wash down.
 - Component 3J - continued loading.
 - Plant 8
 - Building 8A - Continued building preparation, installation of lighting, sealing, asbestos abatement, non-process equipment removal, and removal of interior transite.
 - 8G - Asbestos abatement.
 - Liquid Storage & Lab (Task 2 and Task 6)
 - Building 15A - Install lighting, building prep and demo prep
 - Pilot Plant (Task 3)

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- Building 13A - asbestos abatement.
- Building 13C - Sump Pump House demolition began on December 9 and was completed on December 10. 13C debris load out was completed December 12.
- Building 37 - Equip/system removal, release clean & lockdown, remediate beryllium.
- Building 54A - Equipment/system removal Air machine set-up. Set up respirator trailer NW Thorium Baghouse - Survey, wash and encapsulate.
- Utility Redistribution/Facilities Shutdown:
 - Utility Redistribution - Completed punch list work for replacement steam heat source in Buildings 82A, 31, & 46. Continued Installing lift station for Excavation Area 4B utility redistribution and performing 13.2 Kv system redistribution for T-57, T-58 and WPRAP.
 - Facilities Shutdown - Continued utility isolations for Building 26A, Excavation areas 3B, 4B and the Administration Complex.

January 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Work To Be Initiated/Continued/Completed
 - Plants 2,3,8,GS (Task 1): D&D activities pending
 - Pilot Plant (Task 3)
 - Building 13A - Asbestos abatement.
 - Building 13D - Equip/system removal.
 - Building 37 - Equip/system removal, release clean & survey
 - Liquid Storage & Lab (Task 2/6)
 - Building 15A - Building prep and demo prep
 - Utility Redistribution/Facilities Shutdown: Continuing planning utility isolations for Excavation areas 3B, 4B and the Administration Complex. Performing 13.2 Kv system redistribution for T-57, T-58 & WPRAP.

OPERABLE UNIT 4 - SILOS PROJECT

October 2002

- Enforceable Milestones Completed
 - None

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- Work Initiated/Continued/Completed
 - Completed installation of relief valves and piping connections from Silos 1 and 2 to the Radon Control System (RCS).
 - Completed remaining construction turnover items necessary for RCS Phase 1 Operations
 - Conducted operability testing and management assessment activities in preparation for the initiation of RCS Phase 1 operations. Based upon input from the Management Assessment team, the decision was made that, although the capability was in place to safely initiate RCS Phase 1 operations, additional time was necessary to complete procedure development, drills, and other administrative requirements. Approval was received from the USEPA on 10/30/02 to extend the milestone for initiation of RCS Phase I Operations to December 16, 2002.
 - Received approval of the Accelerated Waste Retrieval (AWR) Project Remedial Design (RD) Package from the USEPA. Received approval of the RCS portion of the package from the OEPA.
 - Received approval from the USEPA on the Remedial Action (RA) Work plan for RCS Phase 1 Operations. Received concurrence from the OEPA to initiate Phase 1 operations, contingent upon DOE's commitment to provide a date for initiation continuous operation to OEPA by 3/15/03.
 - Continued site preparation construction for the Silo 3 and Silos 1 and 2 Remediation Facility Projects

November 2002

- Enforceable Milestones Completed
 - Requested and received approval from the USEPA to extend the milestone for initiation of Radon Control System (RCS) Phase 1 operation to from November 1 to December 16, 2002
 - Extended the date for submittal of response to USEPA disapproval of draft revised Proposed Plan (PP) for Silo 3 the USEPA to December 16, 2002
- Work Initiated/Continued/Completed
 - Met with OEPA and USEPA to discuss comments and develop path forward for finalization of the revised PP for Silo 3; initiated preparation of a revised draft PP.
 - Completed preparations, documentation, and drills for RCS Phase 1 operation. Declared readiness and initiated Fluor Fernald Standard Startup review (SSR) and DOE Readiness Assessment (RA).
 - Initiated excavation for the Silo 3 remediation facility foundation.
 - Continued excavation and site preparation construction for the Silo 1 and 2 Remediation facility foundation initiated installation of the remediation facility concrete mat foundation.

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- Continue vendor design activities for Silo 3 and Silos 1 and 2 projects
- Received OEPA comments on the Silos 1 and 2 Accelerated waste retrieval (AWR) Project Remedial Design (RD) Package
- Presented a detailed technical status briefing on the Silos 1 and 2 AWR project for the USEPA and OEPA

December 2002

- Enforceable Milestones Completed
 - Initiated Radon Control System (RCS) Phase 1 operation on December 6, 2002 (meeting 12/16/02 milestone). The test run demonstrated a rapid and substantial reduction in Silo 1 and 2 headspace radon concentrations. Following the run, the RCS was placed in a standby mode, pending review of the results of the run, and development of plans and schedule for subsequent testing
 - A revised draft Proposed Plan (PP) for Silo 3 was submitted to the USEPA and OEPA on December 16, 2002 (meeting 12/16/02 milestone).
 - Submitted the draft Remedial Design (RD) Package for the Silos 1 and 2 Remediation facility to USEPA and OEPA December 19, 2002 (meeting 12/20/02 milestone).
- Work Initiated/Continued/Completed
 - Submitted draft responses to OEPA comments on the Accelerated Waste Retrieval (AWR) Project RD Package to OEPA for informal review
 - Conducted a public technical roundtable on the AWR Project (12/10/02)
 - Initiated install the Silo 3 remediation facility foundation.
 - Continued installation of the Silo 1 and 2 Remediation Facility concrete mat foundation.
 - Initiated construction of the Silos 1 and 2 warehouse and rail spur
 - Continued vendor design activities for Silo 3 and Silos 1 and 2 projects
 - Issued the final design for the Balance of plant portion of the AWR project

January 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Work To Be Initiated/Continued/Completed
 - Initiate installation of the equipment deck above the AWR Project Transfer Tank Area (TTA)
 - Hold technical briefing on the Silos 1 and 2 Remediation Facility for the OEPSA and USEPA (1/28/03)

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- Submit responses to final OEPA comments on the AWR Project RD package to the OEPA and USEPA.
- Develop design for the necessary facility modifications identified from review of the results of the first RCS test run. Develop scope and criteria for subsequent testing.
- Continue installation of the Silo 3 remediation facility, and Silo 1 and 2 Remediation Facility foundations.
- Continue construction of the Silos 1 and 2 warehouse and rail spur
- Continue vendor equipment design activities for Silo 3 and Silos 1 and 2 projects

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

October 2002

- Enforceable Milestones Completed
 - Submitted monthly NPDES Discharge Monitoring Report for September to Ohio EPA on October 17, 2002
 - Submitted the NPDES Noncompliance Report for September 2002 to the OEPA on October 18, 2002
- Work Initiated/Continued/Completed
 - Submitted the Second Quarter 2002 Re-Injection Operating Report to the EPAs on October 24, 2002.
 - Transmitted responses to OEPA comments on, and EPA disapproval of the Design for Remediation of the Great Miami Aquifer South Field Phase II Module to the EPAs on October 24, 2002.
 - Transmitted response to OEPA conditional approval of the Draft Final Technical Memorandum for the On-Site Disposal Facility Cells 1, 2, and 3 Baseline Groundwater Conditions to the EPAs on October 22, 2002.
 - Completed the installation of the South Field Extraction System Phase 2 Extraction and Injection Wells.

November 2002

- Enforceable Milestones Completed
 - Submitted monthly NPDES Discharge Monitoring Report for October to the OEPA on November 14
- Work Initiated/Continued/Completed

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- Additional South Field Monitoring Wells - Installation and development activities of the 22 monitoring wells and 4 multilevel wells is completed
- Began monitoring the flow from the Cell 4 and Cell 5 leachate collection and leak detection systems as waste placement began in both cells during November
- Completed rehabilitation of Injection Well 10
- Began injecting treated groundwater in replacement Reinjection Wells 8A and 9A

December 2002

- Enforceable Milestones Completed
 - Submitted monthly NPDES Discharge Monitoring Report for November to the OEPA on December 16.
- Work Initiated/Continued/Completed
 - Submitted the Third Quarter 2002 Re-Injection Operating Report to the DOE on December 18 for transmittal to the EPAs. DOE transmitted to the EPAs on December 23
 - Began injecting treated groundwater in replacement Re-injection Wells 8A and 9A.
 - Completed the installation of dedicated sampling equipment in the new South Field monitoring wells and sampling the wells for total uranium on December 10.

January 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - Submit monthly NPDES Discharge Monitoring Report to the OEPA each month (covers the previous month).
- Work To Be Initiated/Continued/Completed
 - Continue to perform maintenance/rehabilitation on injection and extraction wells.
 - Continue injecting treated groundwater in Re-Injection Well 10A.
 - Continue construction activities for the installation of the infrastructure phase of the South Field Extraction System Phase II project.

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WASTE MANAGEMENT

October 2002

- Enforceable Milestones Completed
 - Completed shipping of Batch 12 waste to the TSCA incinerator on October 3, 2002, ahead of the October 31, 2002 Site Treatment Plan milestone date.
- Work Initiated/Continued/Completed
 - Mixed Waste Project
 - Awarded Global BOA contract to Perma-Fix Environmental Service, Envirocare of Utah and Waste Control Specialists on 10/15. Initiated first delivery order for barium carbonate on 10/16.
 - Hazardous Waste Project Advanced Waste Water Treatment (AWWT) Liquids
 - Consolidated aqueous waste from 57 AWWT containers (16,951 pounds) and readied for AWWT treatment
 - Hazardous Waste Project
 - Heritage Environmental Services shipped 37 containers to 3 off site disposal facilities on 10/8.
 - Inorganic Treatment Project (ITP)
 - Macroencapsulation
 - STP Lead shipments are complete. Received lead waste status report from Envirocare on 10/17. Treatment of lead waste is scheduled for week of 12/15 with disposal scheduled for April 2003
 - Soils, Sludges, Debris
 - Completed shipment of 68 containers to Waste Control Specialists
 - Incinerator Liquids (Liquid mixed Waste Bulking Project)
 - Shipped 22,019 pounds (Shipment 5) of Batch 12 waste to the TSCA Incinerator on 10/3 thereby completing Batch 12 shipments.
 - Initiated Batch 13 bulking with transfer of liquid waste from 135 containers (41,801 pounds) into the Batch 13 consolidation tank.

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- Organic Treatment Project
 - Completed site visit to Envirocare on 10/29. The Transportation Plan and Thermal Desorption Deployment Plan were finalized by Envirocare
 - Continued planning for PCB treatment. M&EC received letter from USEPA stating solvent extraction of PCBs from media is acceptable without permit.
- Sample Disposition
 - The EM-50 task team is investigating field instrumentation for characterizing the sample inventory. Initiated the work to sort, inventory and segregate the samples in the containers.
 - Drawings/specifications have been completed for the modification to Bldg. 68 to accommodate the work.
- Waste Minimization/Pollution Prevention
 - Shipped 12 pallets of lead acid batteries on October 14. Shipped one 16-gallon drum from the Springdale location on 10/24 for silver recycle.

November 2002

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Inorganic Treatment Project (ITP)
 - Received bids for treatment and disposal of our barium carbonate waste (28 drums)
 - Incinerator Liquids (Liquid mixed Waste Bulking Project)
 - Completed Batch 13 bulking of 184 containers (53,901 pounds)
 - Organic Treatment Project
 - Submitted profiles for FEMP scabbled concrete waste and Organic sludges to Envirocare. Once approved, these profiles will authorize M&EC to ship our treated waste to Envirocare for disposal.
 - Shipped two drums of Vacuum Thermal Desorption (VTD) waste to Envirocare for treatability study. This waste was treated on 11/23 and 11/24.
 - Collected required pre-shipment samples for VTD System Operability Test waste. These samples will be used to establish boundaries for

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the entire VTD inventory and will support the remaining waste profile process

- Sample Disposition
 - Began segregation of samples for the disposition project in Building 68
- Waste Minimization/Pollution Prevention
 - Submitted the first DOE P2 Report on Accomplishment Data through the new DOE Web site on November 11, 2002
 - Submitted the second P2 report on Annual Waste Generation and Pollution Prevention via DOE Web site on November 27

December 2002

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - MIXED WASTE
 - FY 2002 FEMP Site Treatment Plan Annual Update submitted to the DOE on 12/26/02 and transmitted from the DOE to OEPA on 12/30/02
 - INCINERATOR LIQUIDS
 - Completed Batch 13 sampling activities on 12/17 and submitted samples for analysis. In the period 12/1 to 12/13 bulking of 19 containers (4,811 pounds) into the Batch 13 consolidation tank was completed.
 - SAMPLE DISPOSITION
 - Completed the Management Assessment on 12/5. Processed 6 containers to AWWT for treatment and 1 container to Incinerator Liquid Project for bulking into Batch 13.
 - WASTE MINIMIZATION/POLLUTION PREVENTION
 - Completed Green-is-Clean Program training on 12/11
 - ORGANIC TREATMENT PROJECT
 - With processing and packaging of 68 containers, completed 129 containers of FTF soils. Shipment planned for spring 2003. Submitted M&EC Waste profiles for scabbled concrete waste and organic sludges to Envirocare. Once approved, these profiles will

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authorize M&EC to ship our treated waste to Envirocare for disposal. Completed review and comment on the VTD System Operability Test Plan. Completed processing and packaging of 24 of 150 SOT containers.

- INORGANIC TREATMENT PROJECT
 - MACROENCAPSULATION
 - Completed processing, packaging, and shipping of 17 lead waste containers to Envirocare.
 - MERCURY
 - M&EC completed treatment of Mercury waste shipped in 2002.
 - SOILS, SLUDGES, DEBRIS (SSD)
 - Completed processing and packaging 22 boxes and 57 drums of SSD waste under shipping campaign WCS-8. Shipped the 22 boxes to WCS on 12/11.

January 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Work To Be Initiated/Continued/Completed
 - INCINERATOR LIQUIDS
 - Await completion of Batch 13 sample analysis.
 - SAMPLE DISPOSITION
 - Initiate facility upgrades in Bldg. 68 and continue sample processing.
 - ORGANIC TREATMENT PROJECT
 - Complete 4 remaining profiles for VTD SOT waste. Schedule 1st SOT shipment for week of 1/27/03.

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ENCLOSURES A & B

**EFFLUENT AND RADON DATA
ARE NOW REPORTED IN THE IEMP SUBMITTAL**

ENCLOSURE C

REMOVAL ACTION STATUS REPORT

Note: All Removal Actions except 3, 9, 12, 17, 26 and 27 are completed and closed. Removal Actions 3, 9, 12, 17, 26 and 27 are Programmatic Removal Actions and work continues under them. All documentation for work done this quarter under these Programmatic Removal Actions is located in the Post-Rod files. Gradually, work performed under these actions is being phased out and being done pursuant to appropriate Remedial Action.